

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**\*\* SBFCA currently has operation and maintenance obligations during project construction and closeout.**

**Sutter Maintenance Yard Hamilton Bend**

| Waterway                                | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---|-------|------------|--------------------------|---------------|
| Unit No. 01 Feather River Hamilton Bend | Right | 3.39       | 09/07/2016<br>09/07/2016 | Sterling York |

|   |                                  |              |                        |            |          |
|---|----------------------------------|--------------|------------------------|------------|----------|
| LM Start  |                                  | Rating **    | A                      | Issue No.  | <b>7</b> |
| LM End  |                                  | Issue Type + | Ma                     | Location * | WS       |
| Category  | Earthen Levee                    |              | GPS Latitude/Longitude |            |          |
|   |                                  |              | Start                  | End        |          |
| Item  | Operations & Maintenance Manuals |              | °                      | °          | °        |
| DWR ID  | DWR_ST0005_01_s _ 2013_7         |              |                        |            |          |
| Comment Code  |                                  |              |                        |            |          |
|   |                                  |              |                        |            |          |
| Inspector Comment   |                                  |              |                        |            |          |
| There will be new O&M manuals when the levee is turned back over to the LMA after construction is complete. The old O&M manuals are located at the Sutter Maintenance Yard. |                                  |              |                        |            |          |

No Photos

|   |                                |              |                        |            |          |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start  |                                | Rating **    | A                      | Issue No.  | <b>8</b> |
| LM End  |                                | Issue Type + | Ma                     | Location * | WS       |
| Category  | Earthen Levee                  |              | GPS Latitude/Longitude |            |          |
|   |                                |              | Start                  | End        |          |
| Item  | Emergency Supplies & Equipment |              | °                      | °          | °        |
| DWR ID  | DWR_ST0005_01_s _ 2013_8       |              |                        |            |          |
| Comment Code  |                                |              |                        |            |          |
|   |                                |              |                        |            |          |
| Inspector Comment   |                                |              |                        |            |          |
| Emergency supplies and equipment are stored at the Sutter Maintenance Yard. |                                |              |                        |            |          |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
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|  |                               |              |                        |            |          |
|--|-------------------------------|--------------|------------------------|------------|----------|
| LM Start   |                               | Rating **    | A                      | Issue No.  | <b>9</b> |
| LM End   |                               | Issue Type + | Ma                     | Location * | WS       |
| Category   | Earthen Levee                 |              | GPS Latitude/Longitude |            |          |
|  |                               |              | Start                  | End        |          |
| Item   | Flood Preparedness & Training |              |                        | °          | °        |
|  |                               |              |                        | °          | °        |
| DWR ID   | DWR_ST0005_01_s_2013_9        |              |                        |            |          |
| Comment Code   |                               |              |                        |            |          |
|  |                               |              |                        |            |          |
| Inspector Comment  |                               |              |                        |            |          |
| Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspector Bob Duffy. |                               |              |                        |            |          |

No Photos

|   |                         |              |                        |            |             |
|---|-------------------------|--------------|------------------------|------------|-------------|
| LM Start  | <b>0.01</b>             | Rating **    | M                      | Issue No.  | <b>16</b>   |
| LM End  | <b>0.97</b>             | Issue Type + | Ma                     | Location * | WS          |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |             |
|   |                         |              | Start                  | End        |             |
| Item  | Vegetation              |              | 39.439858              | °          | 39.453502   |
|   |                         |              | -121.641452            | °          | -121.640238 |
| DWR ID  | DWR_ST0005_01_s_2016_16 |              |                        |            |             |
| Comment Code  |                         |              |                        |            |             |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |                        |            |             |
| Inspector Comment   |                         |              |                        |            |             |
|   |                         |              |                        |            |             |

No Photos

|   |                         |              |                        |            |             |
|---|-------------------------|--------------|------------------------|------------|-------------|
| LM Start  | <b>0.19</b>             | Rating **    | M                      | Issue No.  | <b>15</b>   |
| LM End  | <b>0.19</b>             | Issue Type + | Ma                     | Location * | WS          |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |             |
|   |                         |              | Start                  | End        |             |
| Item  | Vegetation              |              | 39.442435              | °          | 39.442435   |
|   |                         |              | -121.641760            | °          | -121.641760 |
| DWR ID  | DWR_ST0005_01_s_2015_15 |              |                        |            |             |
| Comment Code  |                         |              |                        |            |             |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |                        |            |             |
| Inspector Comment   |                         |              |                        |            |             |
|   |                         |              |                        |            |             |

No Photos

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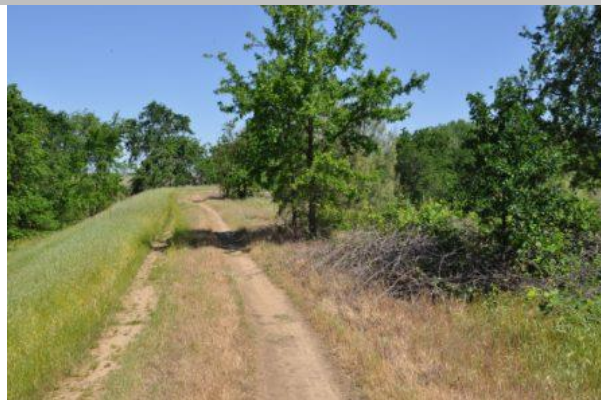
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|---|-------|------------|--------------------------|---------------|
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|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.69                   | Rating **    | M  | Issue No.              | 5             |
| LM End  | 3.04                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Trim / Thin Trees      |              |    | 39.459451 °            | 39.469081 °   |
|   |                        |              |    | -121.633670 °          | -121.612535 ° |
| DWR ID  | DWR_ST0005_01_s_2013_5 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
|   |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Trees smaller than 4" in diameter at chest height should be removed before they get any bigger. |                        |              |    |                        |               |
|   |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_5\_20160906\_00002.jpg



W/S trees 4" in diameter at chest height should be removed before they get to big..

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.46                    | Rating **    | M  | Issue No.              | 10            |
| LM End   | 2.48                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.465370 °            | 39.465410 °   |
|  |                         |              |    | -121.622074 °          | -121.621736 ° |
| DWR ID   | DWR_ST0005_01_f_2016_10 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Blackberry bushes are covering landside slope.                               |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_10\_20160912\_00014.jpg



View of blackberries that are covering landside slope.

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|  |                        |              |    |                        |              |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.53                   | Rating **    | U  | Issue No.              | 3            |
| LM End   | 3.24                   | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|  |                        |              |    | Start                  | End          |
| Item   | Trim / Thin Trees      |              |    | 39.465532°             | 39.470155°   |
|  |                        |              |    | -121.620753°           | -121.609241° |
| DWR ID   | DWR_ST0005_01_f_2016_3 |              |    |                        |              |
| Comment Code   |                        |              |    |                        |              |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                        |              |    |                        |              |
| Inspector Comment  |                        |              |    |                        |              |
|  |                        |              |    |                        |              |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_3\_20160912\_00011.jpg



Very dense trees and limbs that completely obstruct visibility and flood fight access to the levee slope and the landside easement.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.63                   | Rating **    | U  | Issue No.              | 6             |
| LM End   | 2.63                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 39.466025 °            | 39.466025 °   |
|  |                        |              |    | -121.618972 °          | -121.618972 ° |
| DWR ID   | DWR_ST0005_01_f_2016_6 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Blackberries covering slope.   |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_6\_20160912\_00013.jpg



View of blackberries that are covering the landside slope.

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|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.93                    | Rating **    | M  | Issue No.              | 23           |
| LM End   | 3.09                    | Issue Type + | Ma | Location *             | WS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 39.468492°             | 39.469304°   |
|  |                         |              |    | -121.614417°           | -121.611733° |
| DWR ID   | DWR_ST0005_01_s_2016_23 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Annual grasses need to be maintained.                                  |                         |              |    |                        |              |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_23\_20160912\_00012.jpg



View of annual grasses that need to be maintained.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.26                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 3.27                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Trim / Thin Trees      |              |    | 39.470433 °            | 39.470558 °   |
|  |                        |              |    | -121.609200 °          | -121.609215 ° |
| DWR ID   | DWR_ST0005_01_s_2013_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Small trees 4" in diameter at chest height should be removed before they get to big. |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2016\_ST0005\_289\_4\_20160912\_00010.jpg



Waterside trees. Small trees 4" in diameter at chest height should be removed before they get to big.

|  |   |   |
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